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File No. DX0589K1D US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Wang *et al.*

Serial No.: 10/759,860

Group Art Unit: 1645

Filed: January 16, 2004

Examiner: to be assigned

For: CHEMOKINE TECK POLYPEPTIDES

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

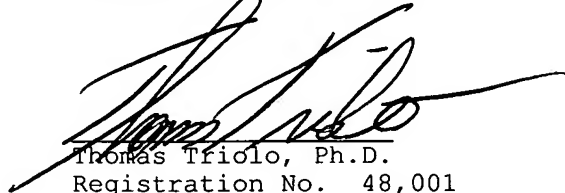
This statement is made in compliance with 37 C.F.R. §1.56, 1.97 and 1.98. The Examiner's attention is directed to the documents listed on the accompanying form PTO-1449 and the enclosed copy of each listed document. Consideration of each cited document, and the return of an initialed, duplicate copy of the enclosed form PTO-1449 to indicate such consideration, are respectfully requested.

These documents may be relevant to examination of the application. Inclusion of a document is **not** an admission that the document is prior art with respect to the invention of the application and is **not** to be construed as an admission that anything in the document renders any claim of the application unpatentable.

Under 37 C.F.R. §1.98(d), a copy of each document will **not** be provided because the Examiner cited the document or because the document was cited in an Information Disclosure Statement in Application No. 10/038,659, filed January 3, 2002, which is the parent of the present Divisional Application.

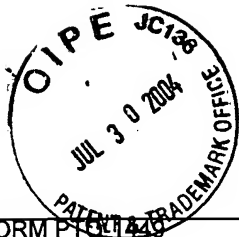
This statement is submitted before a first office action on the merits of the Application; accordingly, Applicants believe that no fee is required. If, however, any fees are due, the Office may charge such fees to Deposit Account No. 19-0365.

Respectfully submitted,



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|---|--|-----------------------------------|--|---|--|
| FORM PTO 1446<br><b>U.S. DEPARTMENT OF COMMERCE<br/>PATENT AND TRADEMARK OFFICE</b>             |  | ATTY. DOCKET NO.:<br>DX0589K1D-US |  | SERIAL NO.:<br>10/759,860   |  |
| <b>INFORMATION DISCLOSURE STATEMENT<br/>FOR PATENT</b><br><br>(Use several sheets if necessary) |  |                                   |  | APPLICANT:<br><div style="text-align: center;">Wang <i>et al.</i></div> |  |
| FILING DATE:<br>January 16, 2004  |  |                                   |  | GROUP:<br>1645  |  |

| U.S. PATENT DOCUMENTS |                    |           |                     |       |               |                               |  |
|-----------------------|--------------------|-----------|---------------------|-------|---------------|-------------------------------|--|
| *EXAMINER<br>INITIAL  | DOCUMENT<br>NUMBER | DATE      | NAME                | CLASS | SUB-<br>CLASS | FILING DATE IF<br>APPROPRIATE |  |
|                       | AA                 | 5,981,231 | Wei <i>et al.</i>   |       |               |                               |  |
|                       | AB                 | 5,681,930 | Radka <i>et al.</i> |       |               |                               |  |

| FOREIGN PATENT DOCUMENTS |             |         |       |               |             |    |  |
|--------------------------|-------------|---------|-------|---------------|-------------|----|--|
| DOCUMENT<br>NUMBER       | DATE        | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION |    |  |
| AC                       | WO 96/05856 | WIPO    |       |               | YES         | NO |  |
| AD                       | WO 96/16979 | WIPO    |       |               |             |    |  |
| AE                       | WO 96/22374 | WIPO    |       |               |             |    |  |
| AF                       | WO 96/24668 | WIPO    |       |               |             |    |  |

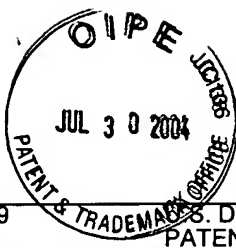
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |  |
|--|--|
| AG   | Ahuja <i>et al.</i> , "Chemokine receptors and molecular mimicry," <i>Immunol Today</i> , <b>15(6)</b> :281-287 (1994).  |
| AH   | Alkhatib <i>et al.</i> , "CC CKR5: a RANTES, MIP-1 $\alpha$ , MIP-1 $\beta$ receptor as a fusion cofactor for macrophage-tropic HIV-1," <i>Science</i> , <b>272(5270)</b> :1955-1958 (1996). |
| AI   | Baba <i>et al.</i> , "Identification of CCR6, the specific receptor for a novel lymphocyte-directed CC chemokine LARC," <i>J Biol Chem</i> , <b>272(23)</b> :14893-14898 (1997).             |
| AJ   | Bacon and Schall, "Chemokines as mediators of allergic inflammation," <i>Int Arch Allergy Immunol</i> , <b>109(2)</b> :97-109 (1996).  |
| AK   | Balter, "A second coreceptor for HIV in early stages of infection," <i>Science</i> , <b>272(5269)</b> :1740 (1996).  |
| AL   | Bonner, <i>EMBL Database</i> , Entry HS459841, Accession Number U45984 (1996).   |
| AM   | Bork, "Powers and pitfalls in sequence analysis: the 70% hurdle," <i>Genome Res</i> , <b>10(4)</b> :398-400 (2000).  |
| AN   | Bork and Bairoch, "Go hunting in sequence databases but watch out for the traps," <i>Trends Genet</i> , <b>12(10)</b> :425-427 (1996).   |
| AO   | Brenner, "Errors in genome annotation," <i>Trends Genet</i> , <b>15(4)</b> :132-133 (1999).  |
| AP   | Clark-Lewis <i>et al.</i> , "Structure-activity relationships of chemokines," <i>J Leukoc Biol</i> , <b>57(5)</b> :703-711 (1995).   |
| AQ   | Deng <i>et al.</i> , "Identification of a major co-receptor for primary isolates of HIV-1," <i>Nature</i> , <b>381(6584)</b> :661-666 (1996).  |
| AR   | Doerke <i>et al.</i> , "Protein annotation: detective work for function prediction," <i>Trends Genet</i> , <b>14(6)</b> :248-250 (1998).   |
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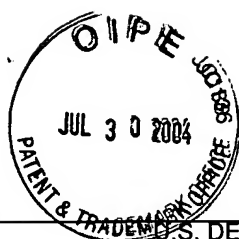
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|---|---|--|-----------------------------------|---------------------------|
| FORM PTO-1449   |   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.:<br>DX0589K1D-US | SERIAL NO.:<br>10/759,860 |
| <b>INFORMATION DISCLOSURE STATEMENT<br/>FOR PATENT</b><br><br>(Use several sheets if necessary)   |   |  | APPLICANT:<br>Wang et al.         |                           |
|   |   |  | FILING DATE:<br>January 16, 2004  | GROUP:<br>1645            |
| AT  | Gronenborn and Clore, "Modeling the three-dimensional structure of the monocyte chemo-attractant and activating protein MCAF/MCP-1 on the basis of the solution structure of interleukin-8," <i>Protein Eng.</i> <b>4(3)</b> :263-269 (1991).                           |  |                                   |                           |
| AU  | Hieshima et al., "Molecular cloning of a novel human CC chemokine liver and activation-regulated chemokine (LARC) expressed in liver. Chemotactic activity for lymphocytes and gene localization on chromosome 2," <i>J Biol Chem.</i> <b>272(9)</b> :5846-5853 (1997). |  |                                   |                           |
| AV  | Hillier et al., <i>EMBL Database</i> , Entry HS519338, Accession Number W05519 (1996).  |  |                                   |                           |
| AW  | Hillier et al., <i>EMBL Database</i> , Entry HS958307, Accession Number N73958 (1996).  |  |                                   |                           |
| AX  | Horuk et al., "The Duffy antigen receptor for chemokines: structural analysis and expression in the brain," <i>J Leukoc Biol.</i> <b>59(1)</b> :29-38 (1996).   |  |                                   |                           |
| AY  | Horuk, "Molecular properties of the chemokine receptor family," <i>Trends Pharmacol Sci.</i> <b>15(5)</b> :159-165 (1994).  |  |                                   |                           |
| AZ  | Horuk, "The interleukin-8-receptor family: from chemokines to malaria," <i>Immunol Today.</i> <b>15(4)</b> :169-174 (1994).   |  |                                   |                           |
| BA  | Kelvin et al., "Chemokines and serpentine: the molecular biology of chemokine receptors," <i>J Leukoc Biol.</i> <b>54(6)</b> :604-612 (1993).   |  |                                   |                           |
| BB  | Lodi et al., "High-resolution structure of the $\beta$ chemokine hMIP-1 $\beta$ by multidimensional NMR," <i>Science.</i> <b>263(5154)</b> :1762-1767 (1994).   |  |                                   |                           |
| BC  | Matsushima and Oppenheim, "Interleukin 8 and MCAF: novel inflammatory cytokines inducible by IL 1 and TNF," <i>Cytokine.</i> <b>1(1)</b> :2-13 (1989).  |  |                                   |                           |
| BD  | Miller and Krangel, "The human cytokine I-309 is a monocyte chemoattractant," <i>Proc Natl Acad Sci USA.</i> <b>89(7)</b> :2950-2954 (1992).  |  |                                   |                           |
| BE  | Murdoch and Finn, "Chemokine receptors and their role in inflammation and infectious diseases," <i>Blood.</i> <b>95(10)</b> :3032-3043 (2000).  |  |                                   |                           |
| BF  | Ngo et al., <i>The protein folding problem and tertiary structure prediction</i> , Merz et al. eds., Birkhasuer, Boston, pp 491-495 (1994).   |  |                                   |                           |
| BG  | Nguyen et al., <i>EMBL Database</i> , Entry MMW6161, Accession Number W91616, (1996).   |  |                                   |                           |
| BH  | Oppenheim et al., "Properties of the novel proinflammatory supergene 'intercrine' cytokine family," <i>Annu Rev Immunol.</i> <b>9</b> :617-648 (1991).  |  |                                   |                           |
| BI  | Proost et al., "Human monocyte chemotactic proteins-2 and -3: structural and functional comparison with MCP-1," <i>J Leukoc Biol.</i> <b>59(1)</b> :67-74 (1996).   |  |                                   |                           |
| BJ  | Raport et al., "New members of the chemokine receptor gene family," <i>J Leukoc Biol.</i> <b>59(1)</b> :18-23 (1996).   |  |                                   |                           |
| BK  | Rossi et al., "Identification through bioinformatics of two new macrophage proinflammatory human chemokines: MIP-3 $\alpha$ and MIP-3 $\beta$ ," <i>J Immunol.</i> <b>158(3)</b> :1033-1036 (1997).   |  |                                   |                           |
| BL  | Rossi and Zlotnik, <i>EMBL Database</i> , Entry HSU77035, Accession Number U77035 (1997).   |  |                                   |                           |
| BM  | Samson et al., "Molecular cloning and functional expression of a new human CC-chemokine receptor gene," <i>Biochemistry.</i> <b>35(11)</b> :3362-3367 (1996).   |  |                                   |                           |
| BN  | Schall, "The chemokines," <i>The Cytokine Handbook</i> , 2 <sup>nd</sup> ed., Academic Press Ltd., NY, pp 419-460 (1994).   |  |                                   |                           |
| BO  | Schall, "Biology of the RANTES/SIS cytokine family," <i>Cytokine.</i> <b>3(3)</b> :165-183 (1991).  |  |                                   |                           |
| EXAMINER  |   |  | DATE CONSIDERED                   |                           |
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|   |    |   |                 | FILING DATE:<br>January 16, 2004  | GROUP:<br>1645            |
|   | BP | Schall and Bacon, "Chemokines, leukocyte trafficking, and inflammation," <i>Curr Opin Immunol</i> , <b>6(6)</b> :865-873 (1994).  |                 |                                   |                           |
|   | BQ | Schall et al., "Receptor/ligand interactions in the C-C chemokine family," <i>The Chemokines</i> , Plenum Press, NY, pp 29-37 (1993).   |                 |                                   |                           |
|   | BR | Skolnick and Fetrow, "From genes to protein structure and function: novel applications of computational approaches in the genomic era," <i>Trends Biotechnol</i> , <b>18(1)</b> :34-39 (2000).        |                 |                                   |                           |
|   | BS | Smith and Zhang, "The challenges of genome sequence annotation or 'the devil is in the details'," <i>Nat Biotechnol</i> , <b>15(12)</b> :1222-1223 (1997).  |                 |                                   |                           |
|   | BT | Stoeckle and Barker, "Two burgeoning families of platelet factor 4-related proteins: mediators of the inflammatory response," <i>New Biol</i> , <b>2(4)</b> :313-323 (1990).                          |                 |                                   |                           |
|   | BU | Strieter and Kunkel, "Acute lung injury: the role of cytokines in the elicitation of neutrophils," <i>J Invest Med</i> , <b>42(4)</b> :640-651 (1994).  |                 |                                   |                           |
|   | BV | Strieter et al., "Role of C-X-C chemokines as regulators of angiogenesis in lung cancer," <i>J Leukoc Biol</i> , <b>57(5)</b> :752-762 (1995).  |                 |                                   |                           |
|   | BW | Vicari et al., "TECK: a novel CC chemokine associated with T cell development," <i>J Allergy Clin Immunol</i> , <b>99(1) part 2</b> :S246, Abstract 1003 (1997).                                      |                 |                                   |                           |
|   | BX | Vicari et al., "TECK: a novel CC chemokine specifically expressed by thymic dendritic cells and potentially involved in T-cell development," <i>Immunity</i> , <b>7(2)</b> :291-301 (1997).           |                 |                                   |                           |
|   | BY | Rossi, D.L., Vicari, A.P., Franz-Bacon, K., McClanahan, T.K. and Zlotnik, A., <i>EMBL Database</i> , Entry HSU77180, Accession Number U77180 (1997).  |                 |                                   |                           |
|   | BZ | Wells, "Additivity of mutational effects in proteins," <i>Biochemistry</i> , <b>29(37)</b> :8509-8517 (1990).   |                 |                                   |                           |
|   | CA | Wenzel and Abboud, "Chemokines and renal disease," <i>Am J Kidney Dis</i> , <b>26(6)</b> :982-994 (1995).   |                 |                                   |                           |
|   | CB | Yoshida et al., "Molecular cloning of a novel human CC chemokine EBI1-ligand chemokine that is a specific functional ligand for EBI1, CCR7," <i>J Biol Chem</i> , <b>272(21)</b> :13803-13809 (1997). |                 |                                   |                           |
|   | CC | Yoshie et al., "Novel lymphocyte-specific CC chemokines and their receptors," <i>J Leukoc Biol</i> , <b>62(5)</b> :634-644 (1997).  |                 |                                   |                           |
|   | CD | Zaballos et al., "Molecular cloning and RNA expression of two new human chemokine receptor-like genes," <i>Biochem Biophys Res Commun</i> , <b>227(3)</b> :846-853 (1996).                            |                 |                                   |                           |
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